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SEALING DEVICE

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#### ABSTRACT

PURPOSE: To facilitate remote measurement of wear and compensate the seal pressure, by setting a passage for supplying pressure fluid and a pressure regulating device to elastic seal lips and the portion surrounded by the seal lips.

CONSTITUTION: Compressed air P from a compressor and mixed with mist of lubricating oil is fed, through a passage 15 in a bearing box 2, in a pressure chamber 14 which is surrounded by elastic seal lips 13A, 13B of an annular seal 13. This air mixture is effective for controlling the friction heat of the seal lips. A pressure switch is set in the middle of the air passage to give an alarm if any abnormality such as leakage of pressure fluid takes place. A change in pressure of pressure fluid flowing in the pressure chamber 14 can regulate the fastening strength of the seal lips 13A, 13B to a shaft 1.

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